BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER
YELAHANKA DIVISION

MASUREMENT SHEETS

1st and Final Bill

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01.

Name of Agency: Sri.Y.B Ramesh

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	6							
Item Name:	Fabricating, providing and erecting in positiort of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat or alriound frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrow head at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			27/01/2022				
Ornamental Grill							
High School Premisess							
			1	30.00		2.10	63.00
			1	30.00		2.10	63.00
		OPC	1	26.00		2.10	54.60
Towards Main Road Bescom Office			1	30.00		2.10	63.00
			Total Quantity				243.60 Sqm
			Quantity Carried to Summary				243.60 Sqm

A.E.E 27/1

27-1-22

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

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Name of Agency: Sri.Y.B. Ramesh

Item No.	7							
Item Name:	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			27/08/2022				
SS Railing							
BB Road (At Railway underpass) from Prakesh Theater to RMZ							
			1	30.00	1.50	45.00	
			1	30.00	1.50	45.00	
			1	30.00	1.50	45.00	
			1	30.00	1.50	45.00	
			1	30.00	1.50	45.00	
			1	30.00	1.50	45.00	
			1	30.00	1.50	45.00	
			1	4.40	1.50	6.60	
			1	42.00	1.50	63.00	
	Total Quantity					**339.60**	**Sqm**
	Quantity Carried to Summary					**339.60**	**Sqm**

A.E.E

27-1-22

Asst Engineer
Ward No.01
BBMP

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Yelahanka Sub Division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	8									
Item Name:	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3									
SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				04/03/2022						
For CC Road										
	From B B Main Road to Dead end									
	0.00	0.00	1	0.00	6.60	6.10	6.35	0.15	0.00	
	0.00	30.00	1	30.00	6.10	6.20	6.15	0.15	27.68	
	30.00	60.00	1	30.00	6.20	7.40	6.80	0.15	30.60	
	60.00	90.00	1	30.00	7.30	5.30	6.30	0.15	28.35	
	90.00	101.30	1	11.30	5.30	4.40	4.85	0.15	8.22	
	101.30	131.30	1	30.00	4.40	4.20	4.30	0.15	19.35	
	131.30	131.90	1	0.60	4.20	4.20	4.20	0.15	0.38	
	At BESCOM Office in Yelahanka Police Station Circle									
			1	16.00	4.85	4.85	4.85	0.20	15.52	
Drain Desilting										
	At BESCOM Office in Yelahanka Police Station Circle									
			1	15.00	0.60	0.60	0.60	0.50	4.50	
	Total Quantity								134.59	Cum
	Quantity Carried to Summary								134.60	Cum

A.E.E

06-03-22

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	9									
Item Name:	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH / Chapter 3									
SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				08/03/2022						
For CC Road										
	From B B Main Road to Dead end									
	0.00	0.00	1	0.00	6.60	6.10	6.35		0.00	
	0.00	30.00	1	30.00	6.10	6.20	6.15		184.50	
	30.00	60.00	1	30.00	6.20	7.40	6.80		204.00	
	60.00	90.00	1	30.00	7.30	5.30	6.30		189.00	
	90.00	101.30	1	11.30	5.30	4.40	4.85		54.81	
	101.30	131.30	1	30.00	4.40	4.20	4.30		129.00	
	131.30	131.90	1	0.60	4.20	4.20	4.20		2.52	
	At BESCOM Office in Yelahanka Police Station Circle									
			1	16.00	4.85	4.85	4.85		77.60	
	Total Quantity								841.43	Sqm
	Quantity Carried to Summary								841.49	Sqm

A.E.E 8/3

08-03-22

Asst Engineer
Ward No.01
BBMP

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Yelahanka Sub Division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	10									
Item Name:	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				10/03/2022						
For CC Road										
	From B B Main Road to Dead end									
	0.00	0.00	1	0.00	6.60	6.10	6.35	0.40	0.00	
	0.00	30.00	1	30.00	6.10	6.20	6.15	0.45	83.03	
	30.00	60.00	1	30.00	6.20	7.40	6.80	0.45	91.80	
	60.00	90.00	1	30.00	7.30	5.30	6.30	0.40	75.60	
	90.00	101.30	1	11.30	5.30	4.40	4.85	0.45	24.66	
	101.30	131.30	1	30.00	4.40	4.20	4.30	0.45	58.05	
	131.30	131.90	1	0.60	4.20	4.20	4.20	0.45	1.13	
	Total Quantity								334.27	Cum
	Quantity Carried to Summary								334.27	Cum

A.E. 10/03

10.03.22

Asst Engineer
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Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	11									
Item Name:	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				15/03/2022						
For CC Road										
	From B B Main Road to Dead end									
	0.00	0.00	1	0.00	6.60	6.10	6.35	0.10	0.00	
	0.00	30.00	1	30.00	6.10	6.20	6.15	0.10	18.45	
	30.00	60.00	1	30.00	6.20	7.40	6.80	0.10	20.40	
	60.00	90.00	1	30.00	7.30	5.30	6.30	0.10	18.90	
	90.00	101.30	1	11.30	5.30	4.40	4.85	0.10	5.48	
	101.30	131.30	1	30.00	4.40	4.20	4.30	0.10	12.90	
	131.30	131.90	1	0.60	4.20	4.20	4.20	0.10	0.25	
	At BESCOM Office in Yelahanka Police Station Circle									
			1	16.00	4.85	4.85	4.85	0.10	7.76	
	Total Quantity								84.14	Cum
	Quantity Carried to Summary								84.14	Cum

A.E.E 15/03

Asst Engineer
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Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	12									
Item Name:	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				22/03/2022						
For CC Road										
	From B B Main Road to Dead end									
	0.00	0.00	1	0.00	6.60	6.10	6.35	0.15	0.00	
	0.00	30.00	1	30.00	6.10	6.20	6.15	0.15	27.68	
	30.00	60.00	1	30.00	6.20	7.40	6.80	0.15	30.60	
	60.00	90.00	1	30.00	7.30	5.30	6.30	0.15	28.35	
	90.00	101.30	1	11.30	5.30	4.40	4.85	0.15	8.22	
	101.30	131.30	1	30.00	4.40	4.20	4.30	0.15	19.35	
	131.30	131.90	1	0.60	4.20	4.20	4.20	0.15	0.38	
	At BESCOM Office in Yelahanka Police Station Circle									
			1	16.00	4.85	4.85	4.85	0.15	11.64	
	Total Quantity									
	Quantity Carried to Summary								126.21	Cum
									126.21	Cum

22-03-22

Asst Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No. 13

Item Name: Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.

SL NO	CHAINAGE	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			04/04/2022						
For CC Road									
			From B B Main Road to Dead end						
	0.00	0.00	1	0.00	6.60	6.10	6.35	0.15	0.00
	0.00	30.00	1	30.00	6.10	6.20	6.15	0.15	27.68
	30.00	60.00	1	30.00	6.20	7.40	6.80	0.15	30.60
	60.00	90.00	1	30.00	7.30	5.30	6.30	0.15	28.35
	90.00	101.30	1	11.30	5.30	4.40	4.85	0.15	8.22
	101.30	131.30	1	30.00	4.40	4.20	4.30	0.15	19.35
	131.30	131.90	1	0.60	4.20	4.20	4.20	0.15	0.38
			At BESCOM Office in Yelahanka Police Station Circle						
			1	16.00	4.85	4.85	4.85	0.175	13.58
								Total Quantity	128.15 cum
								Quantity Carried to Summary	128.15 Cum

Asst Engineer
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BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	E-1							
Item Name:	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge Data Rate							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			21/04/2022				
For Drain							
At BESCOM Office in Yelahanka Police Station Circle							
			1	15.00	0.90	13.50	
	Total Quantity					13.50	Sqmn
	Quantity Carried to Summary					13.50	Sqmn

20-04-2022

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: **Sri.Y.B. Ramesh**

Item No.	E-2							
Item Name:	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.(KPWD SR 2018-19, Page No.27, Item No.5.30)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			21/04/2022				
Kerb							
At BESCOM Office in Yelahanka Police Station Circle							
			1	15.00			
						15.00	
						33.00	
	Total Quantity					33.00	Nos
	Quantity Carried to Summary					33.00	Nos

21-04-22

Asst Engineer
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BBMP

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Executive Engineer, Yelahanka Division

Name of Work: Construction of Drains and providing grills at BB Road in Kempegowda Ward No-01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Y.B. Ramesh

Item No.	E-3							
Item Name:	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (KPWD SR 2018-19, Page No.180, Item No.24.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			28/04/2022				
Kerb							
At BESCOM Office in Yelahanka Police Station Circle							
			1	15.00		0.35	5.25	
	Total Quantity						5.25	Sqm
	Quantity Carried to Summary						5.25	Sqm

20-04-22

Asst Engineer
Ward No.01
BBMP

28/4/22

Asst. Executive Engineer
Yelahanka Sub Division
BBMP